

NAR OFFICIAL CERTIFICATION LABORATORY

MODEL ROCKET ENGINE TESTING REPORT

Manufacturer and Type: AEROTECH G25

Effective Dates: NAR Certification: Continuing Contest Use: Continuing

Certified Total Impulse (N-sec): 120.00 Delay Times: 5, 10, 15

Propellant Type: Composite Propellant Mass (gm): 62.5

Casing Diameter (mm): 29 Casing Length (mm): 124

----- STATIC TEST DATA -----

Number Tested: 6 Casing Date Codes: 5D4C7
Date Tested: 9/2/95 Test Temp (°c): 22 Elevation (ft): 200
Total Impulse (N-sec): 117.50 std. deviation: 0.92
Peak Thrust (newtons): 41.18 std. deviation: 2.47
Burn Time (seconds): 5.30 std. deviation: 0.12
Casing Burnt Mass (gm): 46.9 Max Casing External Temp (°c): under 200

Delay Time (sec)	5	10	15
Initial Mass (gm)	121.0	120.9	117.1
Avg. Measured Delay	5.23	9.63	15.30

Remarks:

Typical Thrust - Time Curve:

